

USPTO Customer No. 25280

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AMENDMENT

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Currently amended) ~~The wiper according to claim 3, A low contaminant wiper~~
suitable for use in a cleanroom environment and being constructed of a low
contaminant textile fabric having a machine direction and a cross-machine
direction, said fabric being formed from a multiplicity of yarns made of polyester
filaments, the low contaminant wiper comprising: an interior and a plurality of
perimeter edges disposed in surrounding relation to the interior and at least one
discontinuous fused border zone disposed inboard of and extending substantially
parallel to at least two of the perimeter edges, wherein each of said
discontinuous fused border zones comprises a plurality of substantially discrete
fusion points formed by localized melt fusion of said thermoplastic filaments such
that said discrete fusion points are disposed within a matrix of unmelted material,
and wherein said polyester filaments are is-substantially free of inorganic ionic
additives, such that complete combustion of said polyester [,] filaments yields an
ash content of not greater than about zero to about 0.1% of the initial weight of
said polyester filaments.
6. (Original) The wiper according to claim 5, wherein said textile fabric is
selected from the group consisting of knit fabric, woven fabric and nonwoven
fabric.

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7. (Original) The wiper according to claim 6, wherein the yarns forming the textile fabric have a linear density in the range of about 15 to about 250 denier.
8. (Original) The wiper according to claim 7, wherein said substantially discrete fusion points within said discontinuous fused border zone are ultrasonically induced.
9. (Original) The wiper according to claim 7, wherein said substantially discrete fusion points are of elongate geometry arranged in end to end relation in a plurality of rows extending substantially parallel to said perimeter edge.
10. (Original) The wiper according to claim 9, wherein the discrete fusion points are staggered in relation to the discrete fusion points in adjacent rows such that a brickwork pattern is formed.
11. (Currently amended) The wiper according to ~~claim 1~~ claim 5, wherein the wiper is quadrilateral in configuration and wherein a first discontinuous fused border zone is disposed inboard of and substantially parallel to a first perimeter edge and wherein a second discontinuous fused border zone is disposed inboard of and substantially parallel to a second perimeter edge in opposing relation to said first perimeter edge.
12. (Original) The wiper according to claim 11, wherein the first and second perimeter edges extend in the cross-machine direction of the textile fabric.

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13. (Original) The wiper according to claim 11, wherein a third discontinuous fused border zone is disposed inboard of and substantially parallel to a third perimeter edge and wherein a fourth discontinuous fused border zone is disposed inboard of and substantially parallel to a fourth perimeter edge in opposing relation to said third perimeter edge.
14. (Original) The wiper according to claim 13, wherein the first and second perimeter edges extend in the cross-machine direction of the textile fabric and wherein the third and fourth perimeter edges extend in the machine direction of the textile fabric.
15. (Cancelled)
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)
19. (Currently amended) The wiper according to claim 17, A low contaminant wiper suitable for use in a cleanroom environment and being constructed at least partly of a low contaminant textile fabric having a machine direction and a cross-machine direction, said fabric being formed from a multiplicity of yarns including polyester filaments, the low contaminant wiper comprising: an interior and a plurality of perimeter edges disposed in surrounding relation to the interior wherein at least one of said perimeter edges comprises a folded double layer border and a discontinuous fused attachment zone disposed inboard of the folded double layer border, wherein said discontinuous fused attachment zone is formed by melt fusion of said polyester filaments, and wherein said polyester

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filaments are is substantially free of inorganic ionic additives, such that complete combustion of said polyester filaments [,] yields an ash content of not greater than ~~about zero~~ to about 0.1% of the initial weight of said polyester filaments.

20. (Original) The wiper according to claim 19, wherein said textile fabric is selected from the group consisting of knit fabric, woven fabric and nonwoven fabric.
21. (Original) The wiper according to claim 20, wherein the yarns forming the textile fabric have a linear density in the range of about 15 to about 250 denier.
22. (Original) The wiper according to claim 21, wherein said fused attachment zone is ultrasonically induced.
23. (Currently amended) The wiper according to ~~claim 15~~ claim 19, wherein said fused attachment zone comprises a plurality of substantially discrete fusion points formed by localized melt fusion of said thermoplastic filaments such that said discrete fusion points are disposed within a matrix of unmelted material.
24. (Original) The wiper according to claim 23, wherein said substantially discrete fusion points are of elongate geometry arranged in end to end relation in a plurality of rows extending substantially parallel to said double layer border.

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25. (Original) The wiper according to claim 24, wherein the discrete fusion points are staggered in relation to the discrete fusion points in adjacent rows such that a brickwork pattern is formed.
26. (Currently amended) The wiper according to ~~claim 15~~ claim 19, wherein the wiper is quadrilateral in configuration and wherein a first folded double layer border defines a first perimeter edge and wherein a second folded double layer border defines a second perimeter edge in opposing relation to said first perimeter edge.
27. (Original) The wiper according to claim 26, wherein the first and second perimeter edges extend in the machine direction of the textile fabric.
28. (Original) The wiper according to claim 26, wherein a third folded double layer border defines a third perimeter edge and wherein a fourth folded double layer border defines a fourth perimeter edge in opposing relation to said third perimeter edge.
29. (Currently amended) A low contaminant wiper suitable for use in a cleanroom environment and being constructed at least partly of a low contaminant textile fabric having a machine direction and a cross-machine direction, said fabric being formed from a multiplicity of yarns including ~~thermoplastic polyester~~ filaments, the low contaminant wiper comprising: an interior and four perimeter edges disposed in surrounding relation to the interior wherein at least one of said perimeter edges comprises a folded double layer border and a fused attachment zone disposed inboard of the folded double layer border, wherein said fused

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attachment zone is formed by melt fusion of said thermoplastic-polyester filaments and wherein at least one other of said perimeter edges comprises a thermally sealed edge and a discontinuous fused border zone extending inwardly from said thermally sealed edge wherein said discontinuous fused border zone comprises a plurality of substantially discrete fusion points formed by localized patterned melt fusion of said thermoplastic-polyester filaments such that said discrete fusion points are disposed within a matrix of unmelted material, and wherein said polyester filaments are substantially free of inorganic ionic additives, such that complete combustion of said polyester filaments yields an ash content of not greater than about 0.1% of the initial weight of said polyester filaments.

30. (Original) The wiper according to claim 29, wherein the wiper is of substantially right-angled quadrilateral configuration and wherein a first discontinuous fused border zone is disposed inboard of and substantially parallel to a first perimeter edge and wherein a second discontinuous fused border zone is disposed inboard of and substantially parallel to a second perimeter edge in opposing relation to said first perimeter edge and wherein a first folded double layer border defines a third perimeter edge extending between said first perimeter edge and said second perimeter edge and wherein a second folded double layer border defines a fourth perimeter edge in opposing relation to said third perimeter edge.
31. (Original) The wiper according to claim 30, wherein the first and second perimeter edges extend in the cross-machine direction of the textile fabric and

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wherein the third and fourth perimeter edges extend in the machine direction of the textile fabric.

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (New) The wiper according to claim 5, wherein said textile fabric is subjected to heat setting at a temperature of from 180 to 300 degrees Fahrenheit and wherein said yarns have not been heated above a temperature of 300 degrees Fahrenheit.

38. (New) The wiper according to claim 19, wherein said textile fabric is subjected to heat setting at a temperature of from 180 to 300 degrees Fahrenheit and wherein said yarns have not been heated above a temperature of 300 degrees Fahrenheit.